

THE AMERICAN JOURNAL OF PATHOLOGY

*Official Publication of
The American Association of Pathologists and Bacteriologists*

BOARD OF EDITORS

FRANK B. MALLORY, EDITOR-IN-CHIEF

FREDERIC PARKER, JR., ASSISTANT EDITOR

JAMES W. JOBLING

H. GIDEON WELLS

HOWARD T. KARSNER

GEORGE H. WHIPPLE

HANS ZINSSER

VOLUME XI

1935

BOSTON
MASSACHUSETTS
U. S. A.

COPYRIGHT, 1935
BY THE AMERICAN ASSOCIATION
OF PATHOLOGISTS AND BACTERIOLOGISTS



M610.5

Aug 3 1935

21927

PRINTED AT THE HARVARD UNIVERSITY PRESS
CAMBRIDGE, MASS., U. S. A.

CONTENTS OF VOLUME XI

JANUARY, 1935. NUMBER 1

THE PATHOLOGY OF THE PARATHYROID GLAND IN HYPERPARATHYROIDISM. A STUDY OF 25 CASES. <i>Benjamin Castleman and Tracy B. Mallory.</i> Plates 1-9	1
ENLARGEMENT OF THE PARATHYROID GLANDS IN RENAL DISEASE. <i>A. M. Pappenheimer and S. L. Wilens</i>	73
ATYPICAL AMYLOID DISEASE. <i>David Perla and Harry Gross.</i> Plates 10-12	93
SUBACUTE LYMPHATIC LEUKEMIA. HISTOGENETIC STUDY OF A CASE WITH THREE BIOPSIES. <i>J. Stasney and Hal Downey.</i> Plates 13, 14 . . .	113
HEPATO-ADRENAL NECROSIS WITH INTRANUCLEAR INCLUSION BODIES. REPORT OF A CASE. <i>George M. Hass.</i> Plates 15-17	127
MYOCARDIAL LESIONS IN SUBACUTE BACTERIAL ENDOCARDITIS. <i>Otto Saphir.</i> Plates 18-20	143
HEPATIC INFARCTION. <i>Herbert Lund, Harold L. Stewart and Marshall M. Lieber.</i> Plates 21-23	157
ANNULAR PANCREAS. REPORT OF A CASE, WITH A SIMPLE METHOD FOR VISUALIZING THE DUCT SYSTEM. <i>James B. McNaught and Alvin J. Cox.</i> Plates 24, 25	179

MARCH, 1935. NUMBER 2

HEMORRHAGIC ENCEPHALITIS. <i>A. B. Baker.</i> Plates 26-30	185
DISTRIBUTION OF NUCLEAR INCLUSIONS IN WILD ANIMALS. <i>E. V. Cowdry, Alfred M. Lucas and Herbert Fox.</i> Plate 31	237
LESIONS OF THE CORONARY ARTERIES AND THEIR BRANCHES IN RHEUMATIC FEVER. <i>Louis Gross, M. A. Kugel and E. Z. Epstein.</i> Plates 32-41	253
ENDOMETRIOSIS OF THE UMBILICUS. <i>Carl V. Weller.</i> Plate 42	281
THE ECTOPIC DECIDUAL REACTION AND ITS SIGNIFICANCE IN ENDOMETRIOSIS. <i>Carl V. Weller.</i> Plate 43	287
DIFFUSE ARTERITIS OF SYPHILITIC ORIGIN. <i>Clifford L. Derick and George M. Hass.</i> Plates 44-46	291
CONGENITAL ANOMALY OF THE HEART. REPORT OF A CASE, WITH EMBRYOLOGICAL DISCUSSION. <i>S. K. Ngai.</i> Plates 47-49	309
SACROCOCCYGEAL TERATOMA. REPORT OF A CASE. <i>Raymond S. Rosedale.</i> Plate 50	323
INTERVENTRICULAR SEPTAL DEFECT, DEXTROPOSITION OF AORTA, AND DILATATION OF PULMONARY ARTERY. REPORT OF A CASE WITH STRUCTURAL PATHOGENESIS. <i>Raymond S. Rosedale.</i> Plates 51, 52	333
A MALIGNANT HEMANGIOMA OF THE LUNG WITH MULTIPLE METASTASES. <i>Ernest M. Hall.</i> Plates 53, 54	343

786844

ANTIGROWTH EFFECT OF LIPOID FRACTIONS OF TISSUE EXTRACTS. <i>F. A. McJunkin and J. W. Henry</i>	353
CONGENITAL MEGACOLON. <i>Lincoln Opper</i> . Plate 55	365

MAY, 1935. NUMBER 3

CYSTIC DISEASE OF THE KIDNEYS. <i>E. T. Bell</i> . Plates 56-58	373
THE LIPID CONTENT OF LIVERS OF NON-IMMUNIZED AND IMMUNIZED HORSES. <i>Augustus Wadsworth, L. W. Hyman and R. R. Nichols</i> . Plates 59-61	419
A GANGLIONEUROMA IN THE NECK OF A CHILD. <i>Joseph McFarland and Samuel W. Sappington</i> . Plate 62	429
PRIMARY CARCINOMA OF THE LUNG. A PATHOLOGICAL STUDY. <i>Kenneth B. Olson</i>	449
HISTOLOGICAL EFFECTS OF POTASSIUM IODIDE AND THYROID SUBSTANCE ON THE THYROID GLAND OF THE GUINEA PIG IN EXPERIMENTAL SCURVY. <i>W. Fulton Abercrombie</i> . Plates 63, 64	469
GLOMERULAR CHANGES IN ARTERIOSCLEROTIC CONTRACTION OF THE KIDNEY. <i>Paul Kimmelstiel</i> . Plates 65, 66	483
REACTION OF PULMONARY TISSUE TO LIPIODOL. <i>R. Douglas Wright</i> . Plate 67	497
INFARCTION OF THE LIVER. <i>Isadore J. Pass</i> . Plate 68	503
PRIMARY ADENOCARCINOMA OF THE PANCREAS IN A FIFTEEN YEAR OLD BOY. <i>Paul A. Mielcarek</i>	527
BASOPHILIC DEGENERATION OF HEART MUSCLE. <i>Maria E. Haumeder</i> . Plate 69	535
ADENO-ACANTHOMA OF THE PYLORUS. <i>Joseph G. Pasternack</i> . Plates 70, 71	541
ERYTHROBLASTOSIS. REPORT OF A CASE PRESENTING AN ERYTHROBLASTIC TUMOR IN THE THORACIC CAVITY. <i>George W. Covey</i> . Plate 72	551
ALTERATION IN SERUM BILIRUBIN AND BROMSULPHALEIN RETENTION IN RELATION TO MORPHOLOGICAL CHANGES IN THE LIVER AND BILE PASSAGES IN CATS WITH TOTAL BILIARY STASIS. <i>A. Cantarow and Harold L. Stewart</i>	561
SIDEROTIC NODULES (GANDY-GAMMA BODIES) IN PRIMARY RENAL CARCINOMA. <i>David R. Morgan, Marshall M. Lieber and Harold L. Stewart</i> . Plates 73, 74	583

JULY, 1935. NUMBER 4

PRIMARY MELANOSARCOMA OF THE LEPTOMENINGES. <i>Andrew J. E. Akelaitis</i> . Plates 75-81	591
THE INFLUENCE OF ANAPHYLACTIC SHOCK ON THE FINER STRUCTURE OF THE LIVER IN THE DOG. <i>Harold L. Weatherford</i> . Plates 82, 83	611
LESIONS IN THE ROOTS OF THE PULMONARY ARTERY AND AORTA IN RHEUMATIC FEVER. <i>Louis Gross</i> . Plates 84-88	631

CONTENTS

vii

NUCLEAR INCLUSIONS SUGGESTIVE OF VIRUS ACTION IN THE SALIVARY GLANDS OF THE MONKEY, <i>Cebus Fatuellus</i> . <i>E. V. Cowdry and Gordon H. Scott.</i> Plate 89	647
NUCLEAR INCLUSIONS IN THE KIDNEYS OF <i>Macacus Rhesus</i> MONKEYS. <i>E. V. Cowdry and Gordon H. Scott.</i> Plates 90, 91	659
NEUROPATHOLOGY OF EXPERIMENTAL VITAMIN DEFICIENCY. A REPORT OF FOUR SERIES OF DOGS MAINTAINED ON DIETS DEFICIENT IN THE B VITAMINS. <i>Margaret Crane-Lillie Gildea, William B. Castle, Edwin F. Gildea and Stanley Cobb.</i> Plates 92, 93	669
MONOCYTES AS A SOURCE OF ALVEOLAR PHAGOCYTES. <i>John Ungar, Jr., and G. Randolph Wilson.</i> Plates 94-96	681
CHRONIC PULMONARY ARTERITIS IN SCHISTOSOMIASIS MANSONI ASSOCIATED WITH RIGHT VENTRICULAR HYPERTROPHY. REPORT OF A CASE. <i>Eugene Clark and Irving Graef.</i> Plates 97, 98	693
EARLY CARDIAC INFARCTION CAUSED BY AN EMBOLUS OF CASEOUS TUBERCULOUS MATERIAL. REPORT OF A CASE. <i>E. M. Medlar.</i> Plate 99	707

SEPTEMBER, 1935. NUMBER 5

LESIONS OF THE LEFT AURICLE IN RHEUMATIC FEVER. <i>Louis Gross.</i> Plates 100-103	711
THE VIRUS OF LYMPHOGANULOMA INGUINALE. <i>Rigney D'Aunoy, Emmerich von Haam and Louis Lichtenstein.</i> Plates 104-107	737
RHYABDOMYOSARCOMA OF THE PROSTATE. <i>F. H. Foucar.</i> Plates 108-109	753
AN ANENCEPHALIC MONSTER WITH "RHINODYMIE" AND OTHER ANOMALIES. <i>Samuel B. Broder.</i> Plates 110, 111	761
ANOMALIES OF THE CIRCLE OF WILLIS WITH RESULTING ENCEPHALOMALACIA AND CEREBRAL HEMORRHAGE. <i>Otto Saphir.</i> Plate 112	775
EXPERIMENTAL GASTRIC EROSIONS FOLLOWING HYPOTHALAMIC LESIONS IN MONKEYS. <i>E. C. Hoff and D. Sheehan.</i> Plates 113, 114	789
FUNCTIONAL COR TRILOCULARE BIATRIA. REPORT OF A CASE WITH A MALPOSITION OF THE SEPTUM IN THE VENTRICLES. <i>Daniel Kornblum.</i> Plates 115, 116	803
AN IMPROVED TECHNIQUE FOR SILVER IMPREGNATION OF RETICULUM FIBERS. <i>Helenor Campbell Wilder.</i> Plate 117	817
SCIENTIFIC PROCEEDINGS OF THE THIRTY-FIFTH ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF PATHOLOGISTS AND BACTERIOLOGISTS	822

NOVEMBER, 1935. NUMBER 6

STUDIES ON THE RELATION BETWEEN MICROGLIA, HISTIOCYTES AND MONOCYTES. <i>Henry S. Dunning and Jacob Furth.</i> Plates 118-120	895
THE CUTANEOUS GLOMUS AND ITS TUMORS — GLOMANGIOMAS. <i>Orville T. Bailey.</i> Plates 121-124	915

CORNEAL REACTIONS OF NORMAL AND OF TUBERCULOUS GUINEA PIGS TO TUBERCULO-PROTEIN AND TUBERCULO-PHOSPHATIDE. <i>Sion W. Holley.</i> Plates 125, 126	937
THE SIGNIFICANCE OF THE CELLULAR VARIATIONS OCCURRING IN NORMAL SYNOVIAL FLUID. <i>Charles F. Warren, Granville A. Bennett and Walter A. Bauer</i>	953
EFFECT OF CENTRIFUGATION ON HERPETIC INTRANUCLEAR INCLUSIONS WITH A NOTE ON CYTOPLASMIC INCLUSIONS OF UNKNOWN ORIGIN IN THE RABBIT CORNEA. <i>Alfred M. Lucas and Walter W. Herrmann. Plates 127, 128</i>	969
PRIMARY AMYLOIDOSIS LIMITED TO TISSUE OF MESODERMAL ORIGIN. <i>Hobart A. Reimann, R. F. Koucky and Carl M. Eklund.</i> Plates 129, 130	977
SPONTANEOUS RUPTURE OF THE PULMONARY ARTERY. <i>James B. Mc- Naught and William Dock.</i> Plates 131, 132	989
NEUROFIBROMA OF THE PHARYNX ASSOCIATED WITH VON RECKLINGHAU- SEN'S DISEASE. <i>A. Hobson Davis.</i> Plate 133	1001
A TECHNIQUE FOR DEMONSTRATING THE PERIVASCULAR NERVES OF THE PIA MATER AND CENTRAL NERVOUS SYSTEM. <i>Wilder Penfield</i>	1007
PAPILLOMATOSIS PERITONEI. <i>Arthur H. Wells.</i> Plate 134	1011
INDEX OF SUBJECTS	1015
INDEX OF AUTHORS	1025

ANNOUNCEMENT

CONCERNING A REGISTRY OF BRAIN TUMORS

A SERIES of some two thousand tumors of the central nervous system collected by Dr. Harvey Cushing during his period of service at the Johns Hopkins Hospital and the Peter Bent Brigham Hospital has been brought to the Yale University School of Medicine and put under the curatorship of the undersigned. It is intended that these elaborately catalogued specimens should so far as possible be made useful to those interested in the subject, and it is hoped that the collection will be added to from many sources.

There are many problems relating to tumor classification and expectancy of life after tumor removal that are as yet unsolved. Hence this series of cases may be of help to those who will encounter rare tumors that they wish to have identified if possible, and concerning which they may desire information, particularly on the basis of type-prognosis.

Anyone who may feel inclined to send specimens for diagnosis or may seek information of other sorts is welcome to do so. The following persons, several of them already familiar with much of the material, have kindly consented to act as an advisory board:

PERCIVAL BAILEY	<i>University of Chicago</i>
F. C. GRANT	<i>University of Pennsylvania</i>
S. C. HARVEY	<i>Yale University</i>
G. J. HEUER	<i>Cornell University</i>
WILDER PENFIELD	<i>McGill University</i>
ERNEST SACHS	<i>Washington University</i>
W. P. VAN WAGENEN	<i>University of Rochester</i>
S. B. WOLBACH	<i>Harvard University</i>

LOUISE EISENHARDT, M.D.
New Haven Hospital